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LIST OF ABBREVIATIONS

1. 1D One-Dimensional
2. 2D Two-Dimensional
3. 3D Three-Dimensional
4. AI Artificial Intelligence
5. ANN..... Artificial Neural Network
6. ART Adaptive Resonance Theory
7. CAD Computer-Aided Design
8. CAT Computed Axial Tomography
9. CC Cascade Correlation
10. CT Computed Tomography
11. CWT Continuous Wavelet Transform
12. DWT Discrete Wavelet Trans form
13. ECG Electrocardiogram
14. ELF..... Extremely Low Frequency
15. EM Electromagnetic
16. FCM..... Fuzzy C Means
17. FID Free Induction Decay
18. FOV Field Of View
19. FT..... Fourier Transformation
20. GUI Graphical User Interface
21. IOL Image Operation Language
22. IWT Inverse Wavelet Transform
23. LVQ2 Learning Vector Quantization
24. MDM..... Magnetic Dipole Moment
25. MIMICS..... Materialise's Interactive Medical Image Control System
26. MOD Magneto-Optical Disk

LIST OF ABBREVIATIONS (continued)

27. MR	Magnetic Resonance
28. MRA	Multiresolution Analysis
29. MRF	Markov Random Field
30. MRFT	Multi-Resolution Fourier Transform
31. MRI	Magnetic Resonance Imaging
32. NMR	Nuclear Magnetic Resonance
33. PE	Processing Element
34. PET	Positron Emission Tomography
35. PNN	Probabilistic Neural Network
36. QMF	Quadrature Mirror Filter
37. RF	Radiofrequency
38. ROI	Region Of Interest
39. RP	Rapid Prototyping
40. SL	Stereolithography
41. SLA	Stereolithography Apparatus
42. SMF	Static Magnetic Field
43. SOM	Self-Organization Map
44. T	Tesla
45. TE	Time to Echo
46. TR	Time to Repeat
47. WFT	Windowed Fourier Transform
48. WP	Wavelet Packet
49. WT	Wavelet Transform

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